BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : Improvements to Roads and Drains at Thanisandra in Ward No. 06, Thanisandra Village Limits.

Estimated Cost : 25.00 Lakhs

Job Code: 006-14-000048

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

me of the work: **Estimate for Improvements to Roads and Drains at Thanisandra in Ward . 06, Thanisandra Village Limits.**

Estimate Cost: 2500000.00

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.3/ PWD SR 2013-14**	Cum							
For CC Drain Kateramma Temple Road		1	170.00	1.20	1.10	224.40		
Kasthurinivasa Thanisandra		1	57.00	1.20	1.10	75.24		
Culvert		2	6.00	2.00	1.20	28.80		
						328.44	65.88	**21638.00**
Basic Rate	61.00							
Area Weightage @8%	4.88							
Total	**65.88**							
KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 / Item No. 4.3 PWD SR - 2013-14**	Cum							
For CC Drain Kateramma Temple Road		1	170.00	1.00	0.15	25.50		
Kasthurinivasa Thanisandra		1	57.00	1.00	0.15	8.55		
		2	6.00	2.00	0.15	3.60		
						37.65	4290.84	**161550.00**
Basic Rate	3973.00							
Area Weightage @ 8%	317.84							
Total	**4290.84**							
KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 26 / Item No. 5.12/ PWD SR 2013-14**	Cum							
Culvert		2x2	6.00	0.60	0.90	**12.96**	4423.68	**57331.00**

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Basic Rate	4096.00							
Area Weightage @ 8%	327.68							
Total	**4423.68**							
KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 122 / Item No. 15.3 / PWD SR 2013-14**	Sqm							
Culvert		2x2	6.00		0.90	**21.60**	77.76	**1680.00**
Basic Rate	72.00							
Area Weightage @ 8%	5.76							
Total	**77.76**							
KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12 / Item No. 4.6 / PWD SR 2013-14**	Cum							
Culvert Coping		2x2	6.00	0.60	0.10	1.44		
						1.44	4690.50	**6754.00**
Basic Rate	4425.00							
Area Weightage @ 6%	265.50							
Total	**4690.50**							
KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2013-14**	Sqm							
Side Walls		4	170.00		0.60	408.00		
		4	57.00		0.60	136.80		
Culvert		2	6.00	0.60		7.20		
		2x2	6.00		0.25	6.00		
		2x2	1.80		0.25	1.80		
						559.80	271.08	**151751.00**
Basic Rate	251.00							
Area Weightage @ 8%	20.08							
Total	**271.08**							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
For CC Drain Kateramma Temple Road Bottom		1	170.00	1.00	0.15	25.50		
Kasthurinivasa Thanisandra		1	57.00	1.00	0.15	8.55		
Side Walls		2	170.00	0.15	0.60	30.60		
		2	57.00	0.15	0.60	10.26		
Culvert		2	6.00	1.80	0.23	4.97		
Ramp		2x2	6.00	1.00	0.15	3.60		
						83.48	5639.76	**470796.00**
Basic Rate	5222.00							
Area Weightage @ 8%	417.76							
Total	**5639.76**							
KSRB 4.9.2: Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14**	Qntl							
		0.75	83.48			**62.61**	7450.92	**466491.00**
Basic Rate	6899.00							
Area Weightage 8%	551.92							
Total	**7450.92**							
Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate.	Sqm							
For CC Drain Kateramma Temple Road		1	170.00	0.90		153.00		
Kasthurinivasa Thanisandra		1	57.00	0.90		51.30		
						204.30	1490.00	**304407.00**
Basic Rate	1490.00							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
10	Precast slab 20mm and down size for slab (excluding steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	Thanisandra Cross Roads		2	229.00	0.90		412.20		
							412.20	1427.15	**588271.00**
	Data Rate	**1427.15**							
	Sub Total								**2231370.00**
18	KRIDL Service Charges and Applicable Taxes @ 11%								**245451.00**
19	For Third Party QC Charges @ 1%								**22314.00**
20	Miscellaneous and other Charges	L/S							**865.00**
								Total	**2500000.00**

(Rs. Twenty Five Lakhs Only)

25.00 Lakhs
Twenty Five Lakhs only

376/13-14
03/03/14

TS/376/13-14 Dt. 03/03/14

Subject to conditions contained enclosed memo.

SE (BTP. Div.)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
KRIDL

Assistant Engineer

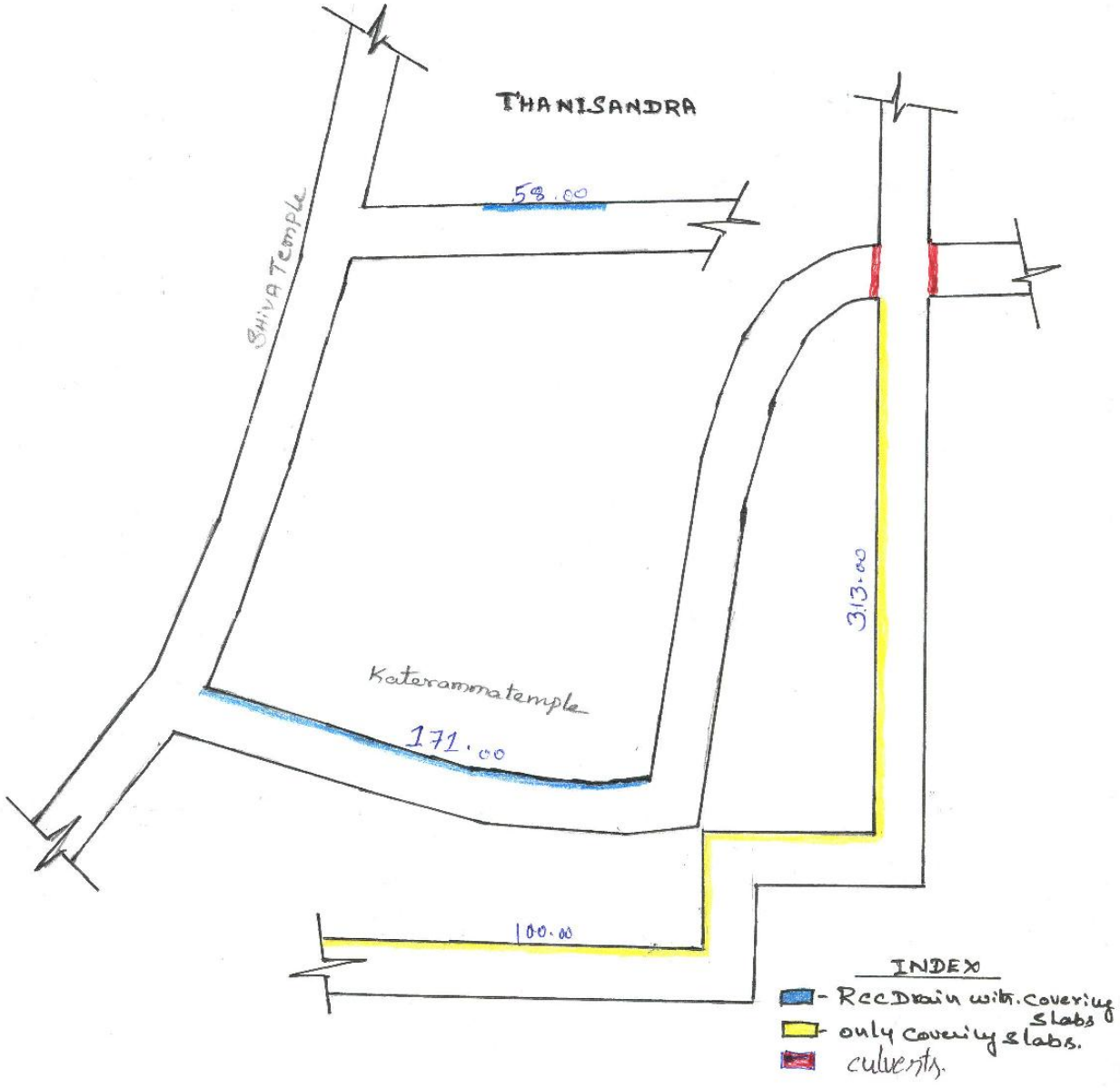
Technical Manager
KRIDL

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Improvements to Roads and Drains at Thanisandra in Ward No. 06 in Thanisandra Village Limits.



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24